## IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures Date March 9, 2006

Attention All Employees Ref No. 521.1

From Gary Novey

Office Bridges and Structures

Subject Method's Memo No. 150 (Revision to CADD Note E188/M188)

A policy change has been made regarding concrete mixes for concrete bridge barrier rails. Class D mix will no longer be allowed for cast-in-place barrier rails in addition to the current policy that does not allow the mix to be used with slipformed rails. CADD note E188/M188 has been updated as shown below to reflect this change.

## E188/M188: Concrete barrier rails, slipform method, concrete class

CONCRETE BARRIER RAILS PLACED USING THE SLIPFORM METHOD WILL REQUIRE THE USE OF A CLASS BR CONCRETE IN ACCORDANCE WITH ARTICLE 2513.03B OF THE STANDARD SPECIFICATION. CAST-IN-PLACE BARRIER RAILS SHALL USE CLASS C MIX. CLASS D CONCRETE IS NOT PERMITTED FOR CONCRETE BARRIER RAILS (CAST-IN-PLACE OR SLIPFORMED METHOD).

Due to quality issues contractors no longer have the option of Class D concrete for placement of barrier rails by the slipform or cast-in-place method [OBS MM No. 110 and 150].

In addition the following note (EST139/MST139) in the bid item reference information has been updated:

"IF PLACEMENT OF CONCRETE IS DONE BY THE SLIPFORMING METHOD, CLASS BR CONCRETE IS REQUIRED. CAST-IN-PLACE BARRIER RAILS SHALL USE CLASS C MIX. PRICE BID FOR THIS ITEM SHALL INCLUDE THE COST OF CAST-IN-PLACE FORMS IF REQUIRED FOR PLACEMENT OF THE CONCRETE."

Incorporate the above notes into appropriate bridge plans effective immediately.

GAN/dgb/bj